

65594, now patented, Pat. No. US 5434690, issued on 8 Aug 1995

DT Utility  
FS GRANTED

LN.CNT 776

INCL INCLM: 514/729.000

INCLS: 514/724.000; 514/739.000

NCL NCLM: 514/729.000

NCLS: 514/724.000; 514/739.000

IC [7]

ICM: A01N031-06

ICS: A01N031-00

EXF 514/729; 514/724; 514/739

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 6 OF 15 USPATFULL

AN 2002:81535 USPATFULL

TI Non-hazardous pest control

IN Bessette, Steven M., Alpharetta, GA, United States

Beigler, Myron A., Santa Rosa, CA, United States

PA Ecosmart Technologies, Inc., Franklin, TN, United States (U.S.)  
corporation)

PI US 6372801

B1 20020416

AI ~~US 1999-469766~~

19991222 (9)

RLI Division of Ser. No. US 1998-56712, filed on 8 Apr 1998, now patented,  
Pat. No. US 6183767 Division of Ser. No. US 1997-870560, filed on 6 Jun  
1997, now patented, Pat. No. US 6004569, issued on 21 Dec 1999  
Continuation-in-part of Ser. No. US 1996-657585, filed on 7 Jun 1996,  
now patented, Pat. No. US 6114384, issued on 5 Sep 2000  
Continuation-in-part of Ser. No. US 1995-553475, filed on 9 Nov 1995,  
now patented, Pat. No. US 5693344 Continuation-in-part of Ser. No. US  
65594, now patented, Pat. No. US 5439690, issued on 8 Aug 1995

DT Utility  
FS GRANTED

LN.CNT 759

INCL INCLM: 514/703.000

INCLS: 514/693.000

NCL NCLM: 514/703.000

NCLS: 514/693.000

IC [7]

ICM: A01N035-00

ICS: A01N035-02

EXF 514/739; 514/703; 514/693

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 7 OF 15 USPATFULL

AN 2002:19353 USPATFULL

TI Non-hazardous pest control

IN Bessette, Steven M., Alpharetta, GA, United States

Beigler, Myron A., Santa Rosa, CA, United States

PA Ecosmart Technologies Incorporated, Franklin, TN, United States (U.S.)  
corporation)

PI US 6342536

B1 20020129

AI ~~US 1999-469772~~

19991222 (9)

RLI Division of Ser. No. US 1998-56712, filed on 8 Apr 1998, now patented,  
Pat. No. US 6183767 Division of Ser. No. US 1997-870560, filed on 6 Jun  
1997, now patented, Pat. No. US 6004569, issued on 21 Dec 1999  
Continuation-in-part of Ser. No. US 1996-657585, filed on 7 Jun 1996,  
now patented, Pat. No. US 6114384, issued on 5 Sep 2000  
Continuation-in-part of Ser. No. US 553475, now patented, Pat. No. US  
5693344, issued on 2 Dec 1997 Continuation-in-part of Ser. No. US  
1993-65594, filed on 21 May 1993, now patented, Pat. No. US 5439690,  
issued on 8 Aug 1995

**levy**

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**Date: 04/21/03**

**Time: 10:25:03**

## **Document Listing**

<b>Document</b>	<b>Selected Pages</b>	<b>Page Range</b>	<b>Copies</b>
GB002261586	15	1 - 15	1
Total (1)	15	-	-

DT Utility  
FS GRANTED  
LN.CNT 772  
INCL INCLM: 514/720.000  
INCLS: 514/718.000  
NCL NCLM: 514/720.000  
NCLS: 514/718.000  
IC [7]  
ICM: A01N031-08  
ICS: A01N031-14  
EXF 514/718; 514/720  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 8 OF 15 USPATFULL  
AN 2002:19352 USPATFULL  
TI Non-hazardous pest control  
IN Bessette, Steven M., Alpharetta, GA, United States  
Beigler, Myron A., Santa Rosa, CA, United States  
PA Ecosmart Technologies, Incorporated, Franklin, TN, United States (U.S.  
corporation)  
PI US 6342535 B1 20020129  
AI US 1999-469768 19991222 (9)  
RLI Division of Ser. No. US 1998-56712, filed on 8 Apr 1998, now patented,  
Pat. No. US 6183767 Division of Ser. No. US 1997-870560, filed on 6 Jun  
1997, now patented, Pat. No. US 6004569, issued on 21 Dec 1999  
Continuation-in-part of Ser. No. US 1996-657585, filed on 7 Jun 1996,  
now patented, Pat. No. US 6114384, issued on 5 Sep 2000  
Continuation-in-part of Ser. No. US 553475, now patented, Pat. No. US  
5693344, issued on 21 Dec 1997 Continuation-in-part of Ser. No. US  
1993-65594, filed on 21 May 1993, now patented, Pat. No. US 5439690,  
issued on 8 Aug 1995

DT Utility  
FS GRANTED  
LN.CNT 768  
INCL INCLM: 514/690.000  
NCL NCLM: 514/690.000  
IC [7]  
ICM: A01N035-06  
EXF 514/690  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 9 OF 15 USPATFULL  
AN 2002:14027 USPATFULL  
TI Non-Hazardous pest control  
IN Bessette, Steven M., Brentwood, TN, United States  
Beigler, Myron A., Santa Rosa, CA, United States  
PA Ecosmart Technologies, Inc., Franklin, TN, United States (U.S.  
corporation)  
PI US 6340710 B1 20020122  
AI US 1999-469764 19991222 (9)  
RLI Division of Ser. No. US 1998-56712, filed on 8 Apr 1998, now patented,  
Pat. No. US 6183767 Division of Ser. No. US 1997-870560, filed on 6 Jun  
1997, now patented, Pat. No. US 6004569, issued on 21 Dec 1999  
Continuation-in-part of Ser. No. US 1996-657585, filed on 7 Jun 1996,  
now patented, Pat. No. US 6114384, issued on 5 Sep 2000  
Continuation-in-part of Ser. No. US 553475, now patented, Pat. No. US  
5693344, issued on 2 Dec 1997 Continuation-in-part of Ser. No. US  
1993-65594, filed on 21 May 1993, now patented, Pat. No. US 5439690,  
issued on 8 Aug 1995

DT Utility  
FS GRANTED  
LN.CNT 770

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INCL INCLM: 514/717.000  
INCLS: 514/731.000  
NCL NCLM: 514/717.000  
NCLS: 514/731.000  
IC [7]  
ICM: A01N031-14  
EXF 514/717; 514/731

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 10 OF 15 USPATFULL  
AN 2001:235281 USPATFULL  
TI Non-hazardous pest control  
IN Bessette, Steven M., Alpharetta, GA, United States  
Beigler, Myron A., Santa Rosa, CA, United States  
PA Ecosmart Technologies, Incorporated, Franklin, TN, United States (U.S.  
corporation)  
PI US 6333360 B1 20011225  
AI ~~US 1999-469771~~ 19991222 (9)  
RLI Division of Ser. No. US 1998-56712, filed on 8 Apr 1998, now patented,  
Pat. No. US 6183767 Division of Ser. No. US 1997-870560, filed on 6 Jun  
1997, now patented, Pat. No. US 6004569, issued on 21 Dec 1999  
Continuation-in-part of Ser. No. US 1996-657585, filed on 7 Jun 1996,  
now patented, Pat. No. US 6114384, issued on 5 Sep 2000  
Continuation-in-part of Ser. No. US 553475, now patented, Pat. No. US  
5693344, issued on 2 Dec 1997 Continuation-in-part of Ser. No. US  
1993-65594, filed on 21 May 1993, now patented, Pat. No. US 5439690,  
issued on 8 Aug 1995

DT Utility  
FS GRANTED

LN.CNT 835

INCL INCLM: 514/729.000  
INCLS: 514/783.000  
NCL NCLM: 514/729.000  
NCLS: 514/783.000

IC [7]  
ICM: A01N031-04  
ICS: A01N031-06

EXF 514/729; 514/783

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 11 OF 15 USPATFULL  
AN 2001:231309 USPATFULL  
TI Non-hazardous pest control  
IN Bessette, Steven M., Alpharetta, GA, United States  
Beigler, Myron A., Santa Rosa, CA, United States  
PA Ecosmart Technologies, Incorporated, Franklin, TN, United States (U.S.  
corporation)  
PI US 6331572 B1 20011218  
AI ~~US 1999-469767~~ 19991222 (9)  
RLI Division of Ser. No. US 1998-56712, filed on 8 Apr 1998, now patented,  
Pat. No. US 6183767 Division of Ser. No. US 1997-870560, filed on 6 Jun  
1997, now patented, Pat. No. US 6004569, issued on 21 Dec 1999  
Continuation-in-part of Ser. No. US 1996-657585, filed on 7 Jun 1996,  
now patented, Pat. No. US 6114384, issued on 5 Sep 2000  
Continuation-in-part of Ser. No. US 553475, now patented, Pat. No. US  
5693344, issued on 2 Dec 1997 Continuation-in-part of Ser. No. US  
1993-65594, filed on 21 May 1993, now patented, Pat. No. US 5439690,  
issued on 8 Aug 1995

DT Utility  
FS GRANTED

LN.CNT 834

INCL INCLM: 514/731.000

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NCL INCLS: 514/783.000; 514/729.000  
NCLM: 514/731.000  
NCLS: 514/729.000; 514/783.000

IC [7]  
ICM: A01N031-08  
ICS: A01N031-06

EXF 514/731; 514/783; 514/729

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 12 OF 15 USPATFULL

AN 2001:226685 USPATFULL

TI Non-hazardous pest control

IN Bessette, Steven M., Alpharetta, GA, United States  
Beigler, Myron A., Santa Rosa, CA, United States

PA Ecosmart Technololies, Incorporated, Franklin, TN, United States (U.S.  
Corporation)

PI US 6329433 B1 20011211

AI ~~US 1999-469769~~ 19991222 (9)

RLI Division of Ser. No. US 1998-56712, filed on 8 Apr 1998, now patented,  
Pat. No. US 6183767 Division of Ser. No. US 1997-870560, filed on 6 Jun  
1997, now patented, Pat. No. US 6004569, issued on 21 Dec 1999  
Continuation-in-part of Ser. No. US 1996-657585, filed on 7 Jun 1996,  
now patented, Pat. No. US 6114384, issued on 5 Sep 2000  
Continuation-in-part of Ser. No. US 553475, now patented, Pat. No. US  
5693344, issued on 2 Dec 1997 Continuation-in-part of Ser. No. US  
1993-65594, filed on 21 May 1993, now patented, Pat. No. US 5439690,  
issued on 8 Aug 1995

DT Utility

FS GRANTED

LN.CNT 819

INCL INCLM: 514/729.000

INCLS: 514/783.000

NCL NCLM: 514/729.000

NCLS: 514/783.000

IC [7]

ICM: A01N031-06

EXF 514/729; 514/783

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 13 OF 15 USPATFULL

AN 2001:18015 USPATFULL

TI Non-hazardous pest control

IN Bessette, Steven M., Alpharetta, GA, United States  
Beigler, Myron A., Santa Rosa, CA, United States

PA Ecosmart Technologies, Incorporated, Franklin, TN, United States (U.S.  
Corporation)

PI US 6183767 B1 20010206

AI ~~US 1998-56712~~ 19980408 (9)

RLI Division of Ser. No. US 1997-870560, filed on 6 Jun 1997  
Continuation-in-part of Ser. No. US 1996-657585, filed on 6 Jun 1996  
Continuation-in-part of Ser. No. US 553475, now patented, Pat. No. US  
5693344 Continuation-in-part of Ser. No. US 1993-65594, filed on 21 May  
1993, now patented, Pat. No. US 5439690

DT Utility

FS Granted

LN.CNT 849

INCL INCLM: 424/406.000

INCLS: 424/084.000; 424/405.000; 424/410.000; 514/546.000; 514/717.000;  
514/718.000; 514/720.000; 514/729.000; 514/730.000; 514/739.000

NCL NCLM: 424/406.000

NCLS: 424/084.000; 424/405.000; 424/410.000; 514/546.000; 514/717.000;  
514/718.000; 514/720.000; 514/729.000; 514/730.000; 514/739.000

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IC [7]  
ICM: A01N025-32  
EXF 424/84; 424/410; 424/405; 424/406; 424/409; 514/529; 514/546;  
514/717-720; 514/729-730; 514/739; 514/724; 514/762; 514/763  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 14 OF 15 USPATFULL  
AN 2000:117765 USPATFULL  
TI Non-hazardous pest control  
IN Bessette, Steven M., Alpharetta, GA, United States  
Knight, Arthur M., Alpharetta, GA, United States  
PA Ecosmart, Inc., Roswell, GA, United States (U.S. corporation)  
PI US 6114384 20000905  
AI ~~US 1996-657585~~ 19960607 (8)  
RLI Continuation-in-part of Ser. No. WO 1994-US5823, filed on 20 May 1994  
And a continuation-in-part of Ser. No. US 1995-553475, filed on 9 Nov  
1995, now patented, Pat. No. US 5693344 which is a continuation-in-part  
of Ser. No. US 1993-65594, filed on 21 May 1993, now patented, Pat. No.  
US 5439690, issued on 8 Aug 1995  
DT Utility  
FS Granted  
LN.CNT 1023  
INCL INCLM: 514/546.000  
INCLS: 514/720.000; 514/730.000; 514/875.000  
NCL NCLM: 514/546.000  
NCLS: 514/720.000; 514/730.000; 514/875.000  
IC [7]  
ICM: A01N037-02  
ICS: A01N031-14; A01N031-04  
EXF 514/718; 514/720; 514/733; 514/546; 514/730  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 15 OF 15 USPATFULL  
AN 1999:166610 USPATFULL  
TI Non-hazardous pest control  
IN Bessette, Steven M., Alpharetta, GA, United States  
Beigler, Myron A., Santa Rosa, CA, United States  
PA Ecosmart Technologies, Inc., Roswell, GA, United States (U.S.  
corporation)  
PI US 6004569 19991221  
AI US 1997-870560 19970606 (8)  
RLI Continuation-in-part of Ser. No. US 1996-657585, filed on 6 Jun 1996  
which is a continuation-in-part of Ser. No. US 553475  
DT Utility  
FS Granted  
LN.CNT 920  
INCL INCLM: 424/406.000  
INCLS: 424/043.000; 424/046.000; 424/047.000; 424/084.000; 424/403.000;  
424/405.000; 424/407.000; 424/409.000; 424/410.000; 424/411.000;  
424/417.000; 424/421.000; 424/DIG.008; 424/DIG.011; 514/513.000;  
514/529.000; 514/690.000; 514/514.000; 514/717.000; 514/720.000;  
514/729.000; 514/731.000; 514/733.000  
NCL NCLM: 424/406.000  
NCLS: 424/043.000; 424/046.000; 424/047.000; 424/084.000; 424/403.000;  
424/405.000; 424/407.000; 424/409.000; 424/410.000; 424/411.000;  
424/417.000; 424/421.000; 424/DIG.008; 424/DIG.011; 514/513.000;  
514/514.000; 514/529.000; 514/690.000; 514/717.000; 514/720.000;  
514/729.000; 514/731.000; 514/733.000  
IC [6]  
ICM: A01N025-32  
EXF 424/43-47; 424/84; 424/DIG.8; 424/DIG.10; 424/DIG.11; 424/77; 424/403;  
424/405-411; 424/417-421; 514/513-515; 514/529; 514/690; 514/717;

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## Document Listing

Document	Selected Pages	Page Range	Copies
US002154850	3	1 - 3	2
US002898263	5	1 - 5	2
Total (2)	16	-	-

=> s patented, Pat. No. US 5693344 Continuation-in-part of Ser. No. US 1993-65594, filed on 21 May 1993, now patented, Pat. No. US 5439690, issued on 8 Aug 1995

DT Utility  
FS GRANTED

LN.CNT 995

INCL INCLM: 514/730.000

INCLS: 514/729.000

NCL NCLM: 514/730.000

NCLS: 514/729.000

IC [7]

ICM: A01N031-02

ICS: A01N031-06; A01N031-08

EXF 514/729; 514/730; 514/739

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 4 OF 15 USPATFULL

AN 2002:88536 USPATFULL

TI Non-hazardous pest control

IN Bessette, Steven M., Alpharetta, GA, United States

Beigler, Myron A., Santa Rosa, CA, United States

PA Ecosmart Technologies, Inc., Franklin, TN, United States (U.S. corporation)

PI US 6376556

B1 20020423

AI US 1999-469765 19991222 (9)

RLI Division of Ser. No. US 1998-56712, filed on 8 Apr 1998, now patented, Pat. No. US 6183767 Division of Ser. No. US 1997-870560, filed on 6 Jun 1997, now patented, Pat. No. US 6004569, issued on 21 Dec 1999 Continuation-in-part of Ser. No. US 1996-657585, filed on 7 Jun 1996, now patented, Pat. No. US 6114384, issued on 5 Sep 2000 Continuation-in-part of Ser. No. US 553475, now patented, Pat. No. US 5693344 Continuation-in-part of Ser. No. US 1993-65594, filed on 21 May 1993, now patented, Pat. No. US 5439690, issued on 8 Aug 1995

DT Utility  
FS GRANTED

LN.CNT 770

INCL INCLM: 514/731.000

INCLS: 514/730.000

NCL NCLM: 514/731.000

NCLS: 514/730.000

IC [7]

ICM: A01N031-00

ICS: A01N031-08

EXF 514/730; 514/731

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 5 OF 15 USPATFULL

AN 2002:81536 USPATFULL

TI Non-hazardous pest control

IN Bessette, Steven M., Alpharetta, GA, United States

Beigler, Myron A., Santa Rosa, CA, United States

PA Ecosmart Technologies, Inc., Franklin, TN, United States (U.S. corporation)

PI US 6372803

B1 20020416

AI US 1999-469770 19991222 (9)

RLI Division of Ser. No. US 1998-56712, filed on 8 Apr 1998, now patented, Pat. No. US 6183767 Division of Ser. No. US 1997-870560, filed on 6 Jun 1997, now patented, Pat. No. US 6004569, issued on 21 Dec 1999 Continuation-in-part of Ser. No. US 1996-657585, filed on 7 Jun 1996, now patented, Pat. No. US 6114384, issued on 5 Sep 2000 Continuation-in-part of Ser. No. US 1995-553475, filed on 9 Nov 1995, now patented, Pat. No. US 5693344 Continuation-in-part of Ser. No. US

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## Summary

Document	Pages	Printed	Missed	Copies
GB002261586	15	15	0	1
Total (1)	15	15	0	-

4

116 (COCKROACH OR BLATTELLA OR PERIPLANETA) AND (EUGENOL OR L1)

=> s 14 and isoparaffinic hydrocarbon  
=> L5 23 L4 AND ISOPARAFFINIC HYDROCARBON

=> s 15 and (ld50 or death or lethal or kill)  
L6 18 L5 AND (LD50 OR DEATH OR LETHAL OR KILL)

=> dup rem 16  
PROCESSING COMPLETED FOR L6  
L7 15 DUP REM L6 (3 DUPLICATES REMOVED)

=> d 1-15

L7 ANSWER 1 OF 15 USPATFULL  
AN 2003:67584 USPATFULL  
TI Pesticidal compositions containing peppermint oil  
IN Bessette, Steven M., Brentwood, TN, United States  
PA Enan, Essam E., Franklin, TN, United States  
Ecosmart Technologies, Inc., Franklin, TN, United States (U.S.  
corporation)  
PI US 6531163 B1 20030311  
AI US 2000-604397 20000627 (9)  
PRAI US 1999-140845P 19990628 (60)  
DT Utility  
FS GRANTED  
LN.CNT 679  
INCL INCLM: 424/747.000  
INCLS: 424/725.000  
NCL NCLM: 424/747.000  
NCLS: 424/725.000  
IC [7]  
ICM: A01N065-00  
EXF 424/725; 424/747; 424/757; 424/405; 424/409  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 2 OF 15 WPIX (C) 2003 THOMSON DERWENT DUPLICATE 1  
AN 2002-666670 [71] WPIX  
DNC C2002-187041  
TI Use of plant essential oils e.g. eugenol, carvecrol and thymol,  
as pesticides, especially for killing cockroaches.  
DC C05  
IN BEIGLER, M A; BESSETTE, S M  
PA (BEIG-I) BEIGLER M A; (BESS-I) BESSETTE S M  
CYC 1  
PI US 2002107287 A1 20020808 (200271)\* 17p A01N025-00  
ADT US 2002107287 A1 CIP of US 1999-302198 19990429, US 2001-23145 20011217  
PRAI US 2001-23145 20011217; US 1999-302198 19990429  
IC ICM A01N025-00  
ICS A01N031-14; A01N037-10

L7 ANSWER 3 OF 15 USPATFULL  
AN 2002:122680 USPATFULL  
TI Non-hazardous pest control  
IN Bessette, Steven M., Alpharetta, GA, United States  
Knight, Arthur M., Alpharetta, GA, United States  
PA Ecosmart Technologies, Inc., Franklin, TN, United States (U.S.  
corporation)  
PI US 6395789- B1 20020528  
AI US 2000-655797 20000901 (9)  
RLI Division of Ser. No. US 1996-657585, filed on 7 Jun 1996, now patented,  
Pat. No. US 6114384 Continuation-in-part of Ser. No. US 553475, now

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## Summary

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US004119535	18	9	0	2
Total (1)	18	18	0	-

L8 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2003 ACS  
 AN 2003:217922 CAPLUS  
 DN 138:200346  
 TI Insecticidal compositions against household insects containing menthyl salicylate  
 IN Besette, Steven M.; Enan, Essam E. 24?  
 PA Ecomart Technologies, Inc., USA ✓  
 SO U.S., 8 pp., Cont.-in-part of U. S. 6,114,384.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 7

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6534099	B1	20030318	US 2000-578707	20000526
	US 5439690	A	19950808	US 1993-65594	19930521
	WO 9427434	A1	19941208	WO 1994-458523	19940520

L8 ANSWER 8 OF 13 USPATFULL  
 AN 1998:51214 USPATFULL  
 TI Composite polymer matrices for controlled release of semiochemicals  
 IN Makarchuk, David A., Burnaby, Canada  
 PA phero Tech Inc., Delta, Canada (non-U.S. corporation)  
 PI US 5750129  
 AI US 1996-686471  
 RTI Continuation-in-part of Ser. No. US 1994-242021, filed on 5 May 1994, now abandoned which is a continuation-in-part of Ser. No. US 1992-937469, filed on 28 Aug 1992, now abandoned  
 DT Utility  
 FS Granted  
 LN.CNT 1018  
 INCL INCLM: 424/408.000  
 INCL: 424/406.000; 424/409.000; 424/410.000; 424/411.000; 424/486.000;  
 NCLM: 424/084.000  
 NCL: 424/084.000; 424/406.000; 424/409.000; 424/410.000; 424/411.000;  
 IC [6]  
 ICM: A01N025-08  
 EXT 424/408; 424/406; 424/405; 424/409-411; 424/486; 424/84; 514/919  
 L8 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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ICS A01N031-14; A01N037-10

L10 ANSWER 4 OF 4 IFIPAT COPYRIGHT 2003 IFI  
AN 10163639 IFIPAT;IFIUDB;IFICDB  
TI PESTICIDAL ACTIVITY OF PLANT ESSENTIAL OILS AND THEIR CONSTITUENTS  
IN Beigler Myron A; Bessette Steven M  
PA Unassigned Or Assigned To Individual (68000)  
PI US 2002107287 A1 20020808  
AI US 2001-23145 20011217  
RLI US 1999-302198 19990429 CONTINUATION-IN-PART PENDING  
FI US 2002107287 20020808  
DT Utility; Patent Application - First Publication  
FS CHEMICAL  
APPLICATION  
CLMN 21  
GI 6 Figure(s).  
FIG. 1 is a graph of the dose of the insecticide vs. octopamine binding.  
FIG. 2 is a graph of mortality of plant essential oils vs. dose.  
FIG. 3 is a graph of mortality of three blend vs. time after topical  
application.  
FIG. 4 is a graph of mortality of plant essential oils vs. dose.  
FIG. 5 is a graph of the LD 50 values of various plant essential oils vs.  
larvae.  
FIG. 6 is a graph of the feeding deterrence of carvacrol vs. larvae.

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## Summary

Document	Pages	Printed	Missed	Copies
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Total (1)	14	14	0	-

L8 ANSWER 11 OF 13 WPIDS (C) 2003 THOMSON DERWENT  
AN 2000-182843 [16] WPIDS  
DNC C2000-057363  
TI Pesticidal composition for controlling e.g. invertebrates, insects,  
arachnids and their larvae on plants, warm blood animals, stored products  
and fabrics, comprises plant essential oil.  
DC B05 C03 D13 D18 E19 F06  
IN BEIGLER, M A; BESSETTE, S M  
PA (ECOS-N) ECOSMART TECHNOLOGIES INC; (ECOS-N) ECOSMART TECNOLOGIES INC  
CYC 86  
PI WO 2000005964 A1 20000210 (200016)\* EN 53p A01N065-00

RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL  
OA PT SD SE SL SZ UG ZW

W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD  
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AU 9952379 A 20000221 (200029) A01N065-00

EP 1102540 A1 20010530 (200131) EN A01N065-00

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NO 2001000466 A 20010327 (200131) A01N065-00

BR 9912691 A 20011009 (200168) A01N065-00

CZ 2001000304 A3 20011212 (200206) A01N065-00

KR 2001079574 A 20010822 (200213) A01N065-00

CN 1322110 A 20011114 (200217) A01N065-00

HU 2001003024 A2 20020128 (200222) A01N065-00

ZA 2001000754 A 20020424 (200237) A01N000-00

JP 2002521406 WO 20020716 (200261) A01N031-04

ADT WO 2000005964 A1 WO 1999-US17097 19990728; AU 9952379 A AU 1999-0728; EP 1102540 A EP 1999-937574 19990728; WO 1999-US17097 19990728; NO 2001000466 A WO 1999-US17097 19990728; KR 2001079574 A KR 2001-0822; CN 1322110 A CN 1999-809097 19990728; HU 2001003024 A HU 2001-0128; ZA 2001000754 A ZA 2001-0424; JP 2002521406 JP 2002-0716; WO 20020716 WO 2002-0716

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2001-701171 20010127; CN 1322110 A CN 1999-809097 19990728; HU 2001003024 A HU 2001-0128; ZA 2001000754 A ZA 2001-0424; JP 2002521406 JP 2002-0716; WO 20020716 WO 2002-0716

A2 WO 1999-0728; EP 1102540 A EP 1999-937574 19990728; WO 1999-US17097 19990728; NO 2001000466 A WO 1999-US17097 19990728; KR 2001079574 A KR 2001-0822; CN 1322110 A CN 1999-809097 19990728; HU 2001003024 A HU 2001-0128; ZA 2001000754 A ZA 2001-0424; JP 2002521406 JP 2002-0716; WO 20020716 WO 2002-0716

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2000-561831 19990728

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PRAI US 1999-122803P 19990303; CN 1322110 A CN 1999-809097 19990728; HU 2001003024 A HU 2001-0128; ZA 2001000754 A ZA 2001-0424; JP 2002521406 JP 2002-0716; WO 20020716 WO 2002-0716

19980916

IC ICM A01N000-00; A01N031-04; A01N065-00

ICS A01N031-08; A01N035-06; A01N037-02

1208754 EUROPATFULL ED 20020607 EW 200222 FS OS

ANSWER 12 OF 13 IFIPAT COPYRIGHT 2003 IFI

AN 10163639 IFIPAT;IFIUDB;IFIUDB

TI PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

L9 ANSWER 5 OF 7 EUROPATFULL COPYRIGHT 2003 WILA

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ICS: A01N037-10; A01N031-14

ICM: A01N025-00

[7]

NCL: 514/718.000

NCIM: 514/532.000

INCL: 514/718.000

INCL: 514/532.000

LN.CNT 921

APPLICATION

IC  
AI  
OD  
PI  
PIT  
DS  
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TIFR  
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TIEN  
AN

HPS Trailer Page  
for

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**UserID: levy**

**Printer: cm1\_3e12\_gbecptr**

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L8

13 (COCKROACH OR BLATTELLA OR PERIPLANETA) AND (EUGENOL OR L1) AND  
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107832-32-6/RN OR 122-70-3/RN OR 120-45-6/RN)

=> s 18 and (dust or clay )

L9 7 L8 AND (DUST OR CLAY )

=> s 19 and sodium bicarbonate and calcium carbonate  
13 FILES SEARCHED...

L10 4 L9 AND SODIUM BICARBONATE AND CALCIUM CARBONATE

=> d 1-4

L10 ANSWER 1 OF 4 WPIX (C) 2003 THOMSON DERWENT  
AN 2002-666670 [71] WPIX

DNC C2002-187041

TI Use of plant essential oils e.g. eugenol, carvecrol and thymol,  
as pesticides, especially for killing cockroaches.

DC C05

IN BEIGLER, M A; BESSETTE, S M

PA (BEIG-I) BEIGLER M A; (BESS-I) BESSETTE S M

CYC 1

PI US 2002107287 A1 20020808 (200271)\* 17p A01N025-00

ADT US 2002107287 A1 CIP of US 1999-302198 19990429, US 2001-23145 20011217

PRAI US 2001-23145 20011217; US 1999-302198 19990429

IC ICM A01N025-00

ICS A01N031-14; A01N037-10

L10 ANSWER 2 OF 4 USPATFULL

AN 2002:199177 USPATFULL

TI Pesticidal activity of plant essential oils and their constituents

IN Bessette, Steven M., Brentwood, TN, UNITED STATES  
Beigler, Myron A., Santa Rosa, CA, UNITED STATES

PI US 2002107287 A1 20020808

AI US 2001-23145 A1 20011217 (10)

RLI Continuation-in-part of Ser. No., US 1999-302198, filed on 29 Apr 1999,  
PENDING

DT Utility

FS APPLICATION

LN.CNT 921

INCL INCLM: 514/532.000

INCL INCLS: 514/718.000

NCL NCLM: 514/532.000

NCL NCLS: 514/718.000

IC [7]

ICM: A01N025-00

ICS: A01N037-10; A01N031-14

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 3 OF 4 WPIDS (C) 2003 THOMSON DERWENT  
AN 2002-666670 [71] WPIDS

DNC C2002-187041

TI Use of plant essential oils e.g. eugenol, carvecrol and thymol,  
as pesticides, especially for killing cockroaches.

DC C05

IN BEIGLER, M A; BESSETTE, S M

PA (BEIG-I) BEIGLER M A; (BESS-I) BESSETTE S M

CYC 1

PI US 2002107287 A1 20020808 (200271)\* 17p A01N025-00

ADT US 2002107287 A1 CIP of US 1999-302198 19990429, US 2001-23145 20011217

PRAI US 2001-23145 20011217; US 1999-302198 19990429

IC ICM A01N025-00

**levy**

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**for**

**Waik-Up Printing**

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**Time: 13:01:07**

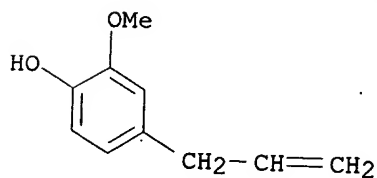
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L1 1 EUGENOL/CN

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L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS  
RN 97-53-0 REGISTRY  
CN Phenol, 2-methoxy-4-(2-propenyl)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Phenol, 4-allyl-2-methoxy- (8CI)  
OTHER NAMES:  
CN 1-Allyl-4-hydroxy-3-methoxybenzene  
CN 2-Hydroxy-5-allylanisole  
CN 2-Methoxy-1-hydroxy-4-allylbenzene  
CN 2-Methoxy-4-(2'-propenyl)phenol  
CN 2-Methoxy-4-(2-propenyl)phenol  
CN 2-Methoxy-4-allylphenol  
CN 3-(3-Methoxy-4-hydroxyphenyl)propene  
CN 3-(4-Hydroxy-3-methoxyphenyl)-1-propene  
CN 4-Allyl-1-hydroxy-2-methoxybenzene  
CN 4-Allyl-2-methoxyphenol  
CN 4-Allylguaiacol  
CN 4-Hydroxy-3-methoxyallylbenzene  
CN Allylguaiacol  
CN Caryophylllic acid  
CN Eugenol  
CN p-Allylguaiacol  
CN p-Eugenol  
FS 3D CONCORD  
MF C10 H12 O2  
CI COM  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOBUSINESS,  
BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB,  
CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHM, CSNB, DDFU,  
DETERM\*, DIOGENES, DRUGU, EMBASE, GMELIN\*, HODOC\*, HSDB\*, IFICDB,  
IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, NIOSHTIC,  
PDLCOM\*, PIRA, PROMT, RTECS\*, SPECINFO, TOXCENTER, ULIDAT, USAN, USPAT2,  
USPATFULL, VTB  
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Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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140 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
5393 REFERENCES IN FILE CAPLUS (1957 TO DATE)  
19 REFERENCES IN FILE CAOLD (PRIOR TO 1967)



HPS Trail r Page  
for

# Waik-Up Printing

UserID: levy

Printer: cm1\_3e12\_gbecptr

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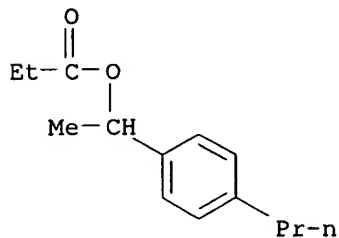
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L3 ANSWER 5 OF 11 REGISTRY COPYRIGHT 2003 ACS  
RN 152336-41-9 REGISTRY  
CN Benzenemethanol, .alpha.-methyl-4-propyl-, propanoate (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1-(p-propylphenyl)ethyl propionate  
FS 3D CONCORD  
MF C14 H20 O2  
SR CA  
LC STN Files: CA, CAPLUS



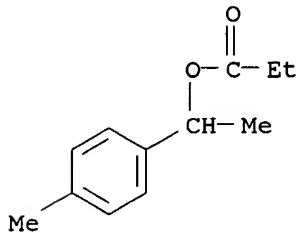
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L3 ANSWER 6 OF 11 REGISTRY COPYRIGHT 2003 ACS  
RN 152336-38-4 REGISTRY  
CN Benzenemethanol, .alpha.,4-dimethyl-, propanoate (9CI) (CA INDEX NAME) ✓  
OTHER NAMES:

CN 1-(p-methylphenyl)ethyl propionate  
FS 3D CONCORD  
MF C12 H16 O2  
SR CA  
LC STN Files: CA, CAPLUS



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for

# **Walk-Up\_Printing**

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**Printer: cm1\_3e12\_gbkwptr**

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L3 ANSWER 7 OF 11 REGISTRY COPYRIGHT 2003 ACS  
RN 135789-37-6 REGISTRY  
CN 1,2-Ethanediol, 1,1,2-triphenyl-, 2-propanoate, (2R)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,2-Ethanediol, 1,1,2-triphenyl-, 2-propanoate, (R)-

OTHER NAMES:

CN (R)-1-Hydroxy-1,1,2-triphenylethyl 2-propionate

CN (R)-2-Hydroxy-1,1,2,2-triphenylethyl propionate

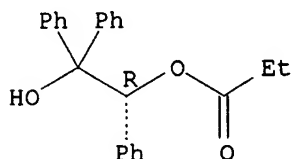
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MF C23 H22 O3

SR CA

LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



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L3 ANSWER 8 OF 11 REGISTRY COPYRIGHT 2003 ACS  
RN 117290-46-7 REGISTRY  
CN Benzenemethanol, .alpha.-methyl-, propanoate, (1S)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzenemethanol, .alpha.-methyl-, propanoate, (S)-

OTHER NAMES:

CN (S)-1-Phenylethyl propionate

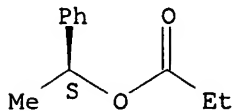
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SR CA

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Absolute stereochemistry.



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14 REFERENCES IN FILE CAPLUS (1957 TO DATE)

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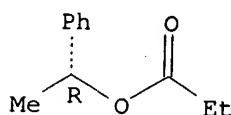
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L3 ANSWER 9 OF 11 REGISTRY COPYRIGHT 2003 ACS  
RN 107832-32-6 REGISTRY  
CN Propanoic acid, (1R)-1-phenylethyl ester (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Benzenemethanol, .alpha.-methyl-, propanoate, (R)-  
OTHER NAMES:  
CN (R)-.alpha.-Methylbenzyl propionate ✓  
CN (R)-1-Phenethyl propanoate  
CN (R)-1-Phenylethyl propionate  
FS STEREOSEARCH  
MF C11 H14 O2  
SR CA  
LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT, CHEMINFORMRX, CHEMLIST,  
TOXCENTER  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



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17 REFERENCES IN FILE CAPLUS (1957 TO DATE)

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L3 ANSWER 10 OF 11 REGISTRY COPYRIGHT 2003 ACS  
RN 122-70-3 REGISTRY  
CN Propanoic acid, 2-phenylethyl ester (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Propionic acid, phenethyl ester (6CI, 7CI, 8CI)  
OTHER NAMES:  
CN .beta.-Phenylethyl propionate  
CN 2-Phenethyl propionate  
CN 2-Phenylethyl propanoate  
CN 2-Phenylethyl propionate  
CN Benzylcarbinyl propionate  
CN Phenethyl alcohol propionate  
CN Phenethyl propanoate  
CN Phenethyl propionate  
CN Phenylethyl propionate  
FS 3D CONCORD  
MF C11 H14 O2  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA, CABA,  
CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM,  
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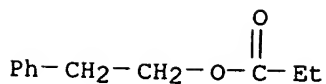
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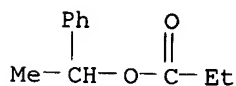


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 8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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L3 ANSWER 11 OF 11 REGISTRY COPYRIGHT 2003 ACS  
 RN 120-45-6 REGISTRY  
 CN Benzenemethanol, .alpha.-methyl-, propanoate (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Benzyl alcohol, .alpha.-methyl-, propionate (7CI, 8CI)  
 OTHER NAMES:  
 CN (.+-.)-1-Phenylethyl propionate  
 CN .alpha.-Methylbenzyl propionate  
 CN 1-Phenylethyl propionate  
 CN Methylphenylcarbinyl propionate  
 CN Styrallyl propionate  
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 DR 117405-47-7  
 MF C11 H14 O2  
 LC STN Files: AGRICOLA, BEILSTEIN\*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,  
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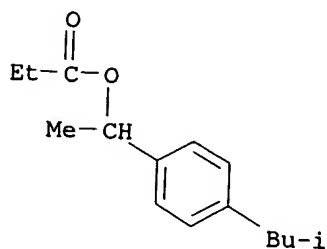
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L3 ANSWER 4 OF 11 REGISTRY COPYRIGHT 2003 ACS  
RN 152336-43-1 REGISTRY  
CN Benzenemethanol, .alpha.-methyl-4-(2-methylpropyl)-, propanoate (9CI) (CA  
INDEX NAME)  
OTHER NAMES:  
CN 1-(p-isobutylphenyl)ethyl propionate  
FS 3D CONCORD  
MF C15 H22 O2  
SR CA  
LC STN Files: CA, CAPLUS



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L3 5-11

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## Walk-Up\_Printing

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Time: 12:27:24

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